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DENBIGHSHIRE COUNTY COUNCIL.

ANNUAL REPORT

on the

Health of Denbighshire

for the

YEAR 1941

by

H. ARWEL THOMAS,

(M.Sc., M.B., Ch.B., M.R.C.S., L.R.C.P., D.P.H.)

County Medical Officer.

16 Grosvenor Road,
Wrexham.

September, 1942.



PREFACE.

**To the Chairman and Members of the Public Health, Housing
and Public Assistance Committee.**

Mr. Chairman, Ladies and Gentlemen,

Annual Report, 1941.

The conditions prevailing, consequent upon the War, make it necessary to again reduce the volume of this Report.

There have been no changes in the personnel of the Staff of the Health Department during the year, with the exception of the substitution of two female clerks for male clerks called up for military service.

Although I am still engaged full-time in Ruthin—the headquarters of the Civil Defence and A.R.P. Services—I have to once more express my appreciation of the devotion to duty of the Staff at the Central Health Department in Wrexham.

I would also tender my thanks to the Committee for their sympathetic support and also to the Clerk of the County Council, Mr. William Jones, C.B.E., and his Deputy, Mr. William Roberts, for the willing way in which they render assistance.

I am,

Your obedient Servant,

H. ARWEL THOMAS,

County Medical Officer.

COUNTY OF DENBIGH. Table 1. Vital Statistics, 1941.

District	Estimated Population	No. of Births		Birth-rate	No. of infant deaths under 1 year of age	Infant Mortality Rate	No. of Deaths	Death-rate
		for infant death rate, etc.	for birth-rate calculation					
Urban.								
Abergele	8666	135	134	15.4	8	59.9	135	15.5
Colwyn Bay	29220	295	283	9.9	15	53.0	378	12.9
Denbigh	9034	119	116	12.8	3	25.8	93	10.2
Llangollen	3678	48	48	13.0	5	104.1	52	14.1
Llanrwst	2843	56	50	17.5	3	60.0	48	16.9
Ruthin	3699	56	53	14.3	2	37.7	46	12.4
Wrexham	29360	497	492	16.7	37	75.1	405	13.8
Total Urban	86500	1206	1176	13.5	73	62.0	1157	13.3
Rural.								
Aled	7321	96	96	13.1	8	83.3	91	12.4
Ceirrog	7487	106	102	13.6	6	58.8	92	12.2
Hiraethog	6082	76	71	11.6	4	56.3	92	15.0
Ruthin	10950	130	126	11.5	5	39.7	141	12.8
Wrexham	63170	1073	1046	16.3	84	80.3	802	12.6
Total Rural	95010	1481	1441	15.1	107	74.2	1218	12.8
Total County	181510	2687	2617	14.4	180	68.7	2375	13.0

STATISTICS.

Live Births (for Birth-rate calculation)—			
	Male.	Female.	Total.
Legitimate	1243	1234	2477
Illegitimate	66	74	140
Birth-rate per 1000 of the estimated population		14.4	
Still-births	53	49	102
Rate per 1000 (live and still-births)		12.7	
Deaths	1198	1177	2375
Rate per 1000 of the estimated resident population		13.0	
		Rate per 1000 total Live and Still births.	
Deaths from Puerperal Causes:—	Deaths.		
Puerperal and Post-Abort. Sepsis	3	1.1	
Other Maternal Causes	10	3.6	
Death-rate of Infants under one year of age:—			
All Infants per 1000 live births		68.7	
Legitimate infants per 1000 legitimate births		68.1	
Illegitimate infants per 1000 illegitimate births		78.5	

Staff.

There were no changes in the personnel of the staff during the year.

Births.

2617 Births (for birth-rate calculations) were notified as belonging to the County during the year, the birth-rate being 14.4. These figures compared with 2395 and 14.2 in 1940.

Deaths.

2375 deaths were notified in the County during 1941, or a death-rate of 13.0. The respective figures for 1940 were 2546 and 15.1.

Infant Mortality.

The number of deaths of children under 1 year of age in the County in 1941 was 180, or 68.7, as compared with 192 and 78.7 in the previous year.

TABLE II. Causes of Infant Deaths, 1941.

DISEASE.	Districts			
	Urban		Rural	
	Male	Female	Male	Female
Bronchitis	—	4	3	3
Diarrhoea	1	3	2	1
Other Digestive Diseases	—	—	1	1
Other Respiratory Diseases	—	—	1	2
Tuberculosis of Resp. System	—	—	—	1
Pneumonia (all forms)	8	6	17	13
Other Violent Causes	2	1	1	—
Cerebro-Spinal Fever	1	—	—	—
Whooping Cough	2	1	—	2
Measles	1	—	—	—
Influenza	1	—	—	—
Premature Birth	6	6	13	13
Cong. Mal; Birth Inj; Inf. Dis.	15	11	16	13
All other Causes	3	1	4	—
	40	33	58	49

MATERNAL MORTALITY.

The following table gives the figures for the past ten years :—

	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
Maternal										
Mortality Rate	6.2	7.1	6.3	4.4	3.7	2.07	3.4	4.0	3.5	4.8
Puerperal Sepsis	5	8	8	5	2	—	1	3	3	3
Other Puerperal Causes	10	9	7	6	7	5	7	6	6	10
Total	15	17	15	11	9	5	8	9	9	13

DIPHTHERIA IMMUNISATION.

All possible steps have been and are being taken to enlighten mothers as to the importance of having their children immunised against Diphtheria. Talks are given by the medical staff, while the Health Visitors and School Nurses visit the homes and give advice. In addition, circular letters are addressed to parents from the County Health Office, also posters are displayed throughout the County.

The total number of children immunised in the County during 1941 was :—

Under 5 years of age	2742
Over 5 years of age	5221

The total number of children immunised in the County since 1937 is 24,275.

TABLE III. Births and Infantile Deaths Allocated to Areas.

Districts	Births								Deaths under 1 year of age			
	For Birth-rate				For Infant Mortality, etc.							
	Legitimate		Illegitimate		Legitimate		Illegitimate		Legitimate		Illegitimate	
	M	F	M	F	M	F	M	F	M	F	M	F
Urban.												
Abergele U.	53	75	4	2	54	76	4	1	5	3	—	—
Colwyn Bay Borough...	124	139	12	8	129	146	12	8	9	3	2	1
Denbigh Borough	49	61	4	2	50	62	4	3	2	1	—	—
Llangollen U.	24	22	1	1	24	22	1	1	2	3	—	—
Llanrwst U.	28	19	1	2	32	21	1	2	1	2	—	—
Ruthin Borough	27	24	1	1	29	25	1	1	1	1	—	—
Wrexham Borough	221	243	14	14	225	244	14	14	17	18	1	1
Total Urban	526	583	37	30	543	596	37	30	37		3	2
Rural.												
Aled R.	45	44	3	4	45	44	3	4	4	1	2	1
Ceiriog R.	46	49	3	4	47	52	3	4	4	2	—	—
Hiraethog R.	41	24	4	2	44	26	4	2	2	1	1	—
Ruthin R.	61	54	5	6	63	56	5	6	3	2	—	—
Wrexham Rural	524	480	14	28	536	495	14	28	41	41	1	1
Total Rural	717	651	29	44	735	673	29	44	54	47	4	2
Total County	1243	1234	66	74	1278	1269	66	74	91	78	7	4

INFECTIOUS DISEASES.

TABLE IV (a).

The following table furnishes particulars respecting the notifications received during 1941, and for comparative purposes the nine preceding years are shewn:—

Disease	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
Diphtheria	760	657	705	440	586	750	405	276	407	396
Erysipelas	46	63	55	62	63	53	70	347	71	55
Scarlet Fever	220	259	313	473	586	324	295	20	317	246
Enteric Fever (including Typhoid and Paratyphoid)	6	11	7	3	3	6	1	4	16	16
Puerperal Fever	8	10	9	3	11	5	...	...	...	...
Puerperal Pyrexia	18	22	8	23	17	25	34	24	12	22
Cerebro-spinal Fever	1	3	3	1	...	...	...	11	192	83
Acute Poliomyelitis	10	1	...	...	1	...	1	1	6	...
Ophthalmia Neonatorum	13	13	11	12	20	12	15	11	12	5
Pulmonary Tuberculosis	183	177	183	229	197	195	210	180	218	210
Other Forms of Tuberculosis	76	77	63	82	82	63	84	53	72	64
Pneumonia	157	225	191	143	138	183	160	180	341	278
Encephalitis Lethargica	3	3	...	2	...	2	...	1	1	4
Acute Polio-encephalitis	1	...	...	...	...	...	2	...	...	2
Dysentery	1	...	1	...	9	...	...	71	119	22
Measles (excl. German Measles) .	...	...	...	1	...	...	...	...	2373	1390
Malaria .....	...	...	...	...	...	1	...	30	...	...
Whooping Cough .....	...	...	...	...	...	...	...	...	394	746
Totals	1503	1521	1549	1474	1713	1619	1277	1209	4551	3539

TABLE IV (b).

The allocation of the several Infectious Diseases to the Sanitary Districts is shown in the following table:—

District	Pneumonia	Scarlet Fever	Pulmonary Tuberculosis	Non-Pulmonary Tuberculosis	Ophthalmia Neonatorum	Erysipelas	Enteric Fever	Cerebro-spinal Fever	Diphtheria	Puerperal Pyrexia	Measles	Dysentery	Chickenpox	Whooping Cough	Encephalitis Lethargica	Acute-Polio-Encephalitis
Abergele	18	14	9	5	...	11	1	6	20	...	114	...	...	82	2	...
Aled	11	14	8	2	...	1	2	1	7	1	24	...	...	15	1	...
Ceiriog .....	...	4	4	2	...	...	...	...	2	...	21	...	2	18	1	...
Colwyn Bay	42	80	29	13	1	9	1	11	36	4	356	1	...	69	...	2
Denbigh	16	2	13	2	2	1	...	8	24	...	22	13	...	55	...	...
Hiraethog	6	8	5	3	...	...	3	...	4	1	70	...	...	17	...	...
Llangollen Urban	3	4	4	1	...	1	...	...	1	...	21	...	...	...	...	...
Llanrwst Urban ...	...	2	4	...	...	...	...	...	17	...	19	...	...	5	...	...
Ruthin Borough ...	8	5	6	1	...	3	2	1	13	1	6	8	...	52	...	...
Ruthin Rural	27	16	11	2	...	6	2	2	16	1	60	...	...	98	...	...
Wrexham Borough	64	36	33	12	2	6	1	25	109	12	270	...	...	86	...	...
Wrexham Rural ...	83	61	84	21	...	17	4	29	147	2	407	...	...	249	...	...
Totals	278	246	210	64	5	55	16	83	396	22	1390	22	2	746	4	2

TABLE V. Infectious Diseases.

The following table gives the number of deaths from Infectious Diseases notified during the year, also the figures for the years 1938, 1939 and 1940:—

	1938	1939	1940	1941
Typhoid and Paratyphoid	—	—	—	1
Measles	3	1	3	4
Scarlet Fever	—	—	1	—
Whooping Cough	9	2	5	13
Diphtheria	29	11	21	13
Encephalitis Lethargica	5	9	2	—
Cerebro-Spinal Fever	—	2	30	8
Acute Polio-Encephalitis	—	—	—	1
Acute Inf. Encephalitis	—	—	—	7
Tuberculosis, Pulmonary	79	80	81	92
Tuberculosis, Non-Pulmonary ...	15	14	24	20

COUNTY OF DENBIGH.
TABLE VI. Causes of Death, 1941.

Disease	Abergele.	Aled.	Ceiriog.	Colwyn Bay.	Denbigh.	Hirathog.	Llangollen.	Llaurwst.	Ruthin Borough.	Ruthin Rural.	Wrexham Boro.	Wrexham Rural.	Totals.
Typhoid and Paratyphoid Fever .....	...	...	...	...	...	...	...	...	...	1	...	...	1
Cerebro-Spinal Fever .....	...	1	...	1	1	...	...	...	...	...	1	4	8
Scarlet Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	2	1	...	...	1	2	...	...	1	3	2	1	13
Diphtheria	2	...	...	1	...	...	...	1	...	...	1	8	13
Tuberculosis of the Resp. Syst.	4	5	2	11	7	4	2	3	3	6	18	27	92
Other Forms of Tuberculosis	1	...	...	4	1	...	...	1	...	...	...	13	20
Syphilitic Diseases ...	...	...	...	...	...	...	...	...	...	1	2	1	4
Influenza	3	...	2	2	2	3	1	6	...	2	3	8	32
Measles .....	...	...	...	...	1	...	...	...	1	1	1	...	4
Ac. polio-myel. and polio. enceph. ....	...	...	...	1	...	...	...	...	...	...	...	...	1
Ac. Inf. enceph.	2	...	1	1	...	...	...	...	...	...	1	2	7
Cancer of b. cav. and oesoph. (M) Uterus (F) .....	...	...	1	7	1	...	...	...	1	1	7	6	24
Cancer of stomach and duodenum	7	5	1	13	1	5	1	1	2	5	16	26	83
Cancer of breast	1	...	2	8	1	1	...	1	1	4	4	7	30
Cancer of all other sites	8	11	7	31	6	10	...	4	6	9	34	63	189
Diabetes	1	1	1	...	2	1	2	...	...	...	3	2	13
Intra. cran. vasc. lesions	11	13	12	60	6	13	8	5	11	28	37	107	311
Heart Disease	35	27	31	90	30	22	16	8	7	34	105	169	574
Other Circ. Dis.	5	4	1	28	2	3	...	1	1	5	7	9	66
Bronchitis	9	...	8	21	8	2	6	...	2	6	22	51	135
Pneumonia	10	7	1	17	4	3	3	7	1	7	24	57	141
Other Resp. Dis. ...	6	...	...	5	...	...	...	1	1	1	5	14	33
Ulcer of stomach or duodenum .....	...	1	...	4	...	1	...	...	1	2	2	6	17
Diarrhoea (under 2 years) .....	...	...	...	1	2	...	...	...	...	1	2	3	9
Appendicitis .....	...	...	...	...	1	...	...	...	...	1	1	5	8
Other Digve. Dis. ...	3	...	2	13	1	2	...	2	...	2	5	23	53
Nephritis	6	3	3	10	5	3	...	2	3	6	14	30	85
Puer. and post. abort sepsis .....	...	...	...	...	1	...	...	...	...	...	2	...	3
Other maternal causes .....	...	...	1	3	...	1	...	...	...	...	1	4	10
Prem. Birth .....	...	2	2	3	...	1	...	...	...	1	9	20	38
Con. mal birth inj infant dis.	4	2	3	6	...	2	4	...	...	...	15	26	62
Suicide .....	...	...	...	2	1	...	1	...	1	1	6	3	15
Road Traffic Ac. ....	...	...	...	3	...	...	...	...	...	...	2	16	21
Other violent cause	3	2	2	9	3	2	4	1	...	2	8	18	54
All other causes	12	6	9	23	5	11	4	4	3	11	45	73	206
All causes	135	91	92	378	93	92	52	48	46	141	405	802	2375

The number and percentage of deaths at different Age Periods are given below:—

Age Period	No. of Deaths.					Percentage of Total Deaths.*
	URBAN DISTRICTS		RURAL DISTRICTS		Total	
	Males	Females	Males	Females		
0—1	40	33	58	49	180	7·5
1—5	15	14	19	16	64	2·6
5—15	8	7	14	9	38	1·6
15—45	60	57	77	61	255	10·7
45—65	145	124	141	142	552	23·2
65 and upwards	309	345	312	320	1286	54·1
	577	580	621	597	2375	

LABORATORY FACILITIES.

The Laboratories undertaking examinations for the County are:—

The Pathological Laboratory, Chester Royal Infirmary.

Wrexham and East Denbighshire War Memorial Hospital.

University College of North Wales.

Wrexham Joint Fever Hospital.

Welsh National Memorial Association.

Food and Drugs Acts.

Analyses undertaken by Mr. F. A. Lowe, County Analyst, Chester.

AMBULANCE SERVICE.

Wrexham Division (St. John).

No. of cases conveyed	1850
Mileage	14366
Accidents	128
Mileage	673
Total cases	1978
Total mileage	15039
First Aid cases treated	293
Station duty hours	13507
Attendances with ambulance	4478
Public functions	329
Attendances	1104

Colwyn Bay and District.

Total cases	431
Fatal accidents	10
Other accidents	65
Admissions to hospitals	151
Admissions to Nursing Homes	65
Transport from house to house	62
Transport out of district	78
Total mileage	8220
Ambulance case hours	703
Personnel Case hours	2812

Rhosllanerchrugog Division (St. John).

Patients removed to Hospital	371
Mileage	3764

Oswestry and District (portion of district in County of Denbigh).

Journeys	391
Mileage (all ambulance journeys)	8748

Denbigh District.

The ambulance serving this area was presented to the Borough Council by the Rotarians of the town and is used for Maternity, sickness and accident cases.

TABLE VII. Hospital Accommodation.

Name of Hospital	BEDS			Total	
	Males	Females	Child		
VOLUNTARY					
Wrexham War Memorial Hospital...	65	46	18	170	E.M.S. Beds 50
Colwyn Bay and West Denbighshire Hospital	26	24	10	60	
Denbighshire Infirmary, Denbigh...	15	22	3	45	
Chirk and District Cottage Hospital	12	6	2	26	Private Wards, 6
Llangollen Cottage Hospital ...	4	6	...	10	
	122	104	33	311	
PUBLIC ASSISTANCE					
Croesnewydd, Wrexham ...				180	
Ruthin ...	20	20	8	53	
	20	20	8	233	
FEVER HOSPITALS					
Wrexham Joint Fever Hospital ...	46	46	16	108	
Brynauant Isolation Hospital, Colwyn Bay			...	31	
St. Asaph Joint Isolation Hospital ...				85	
Croesynydd Hospital, Conway				56	
Small-pox Hospital (Rhydaltog) ...				12	
Penrhos College Sanatorium ...				20	
				312	
COUNTY MATERNITY HOSPITAL.					
Ruabon ...	...	12	...	12	Temporary Hospital

TABLE VIII.
Summary of Work of Health Visitors.

District	Notified No. of Births	No. of First Visits	No. of visits to children under 1 year	No. of visits to children 1-5 years	Expectant Mothers	
					First Visits	Total
Rhos and Penycae	203	195	902	1386	19	31
Rhostyllen, Ruabon, Marchwiel, Isycoed and Abenbury	141	166	1023	1985	84	166
Coedpoeth, Southsea, New Broughton	130	122	566	1564	—	—
Brymbo, Broughton, Summerhill	132	176	933	771	15	30
Llay, Gresford, Rhosrobin	249	208	1051	864	19	33
Llangollen and Cefn	150	161	483	1365	4	8
Denbigh, Abergele and Aled Rural	297	310	969	1094	13	22
Llanrwst area	120	146	752	1260	42	46
Llansilin, Chirk and Glyn Ceiriog	128	137	836	2275	32	51
Ruthin Borough, Ruthin Rural and Cerrig ...	191	215	1009	1299	3	9
	1741	1836	8524	13863	237	396

TABLE IX.
THE ROBERT JONES AND AGNES HUNT ORTHOPÆDIC HOSPITAL.

RETURN showing the number of DENBIGHSHIRE (County) patients treated at Orthopædic Clinics during the year 1941, and the number of attendances made by such patients.

	On books 1/1/41.	Admitted during 1941.	Total treated.	Discharged in 1941.	On books 31/12/41.		Attend- ances.
					Active Treatment.	Appliance Supervision.	
MATERNITY AND CHILD WELFARE (-5 years)	178	97	275	102	173	—	648
SCHOOL MED. SERVICE (5-16 years)	470	215	685	225	457	3	1650
VOL. ORTHO. ASSOCIATION (16+ years)	443	263	706	211	435	60	1528
TOTALS	1091	575	1666	538	1065	63	3826
					1128	—	

Age Transfers.

38 patients attained the age of 5 years and 25 patients attained the age of 16 years, during the year. These are included in both age groups in which they were treated; therefore the correct total number of patients treated = 1603.

In addition, 127 patients were examined by the Surgeons, for whom treatment was not advised.

SUPPLY OF MIDWIVES.

	Domiciliary Midwives.		In Institutions.		Total.
Employed by the Local Super- vising Authority	5	...	14	...	19
Employed by Voluntary Associations:—					
(1) Under arrangements made with the Local Supervising Authority	51	...	—	...	51
(2) Others (Voluntary Hospital	—	...	8	...	8
In private practice	21	...	—	...	21
	77		22		99

CHILD LIFE PROTECTION.

Number of persons who were receiving children for reward during the year	10
Number of children at the end of the year	13
Number of children who died during the year	1

HOME HELPS.

Number of Home Helps engaged during the year ...	10
Number of cases attended	16

AFTER CARE OF TUBERCULOSIS PATIENTS.

Number of cases receiving assistance under the County After-Care Scheme from January 1st, 1941, to December 31st, 1941	58
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MIDWIVES ACT, 1918—SECTION 14.

Number of patients to whom medical aid was summoned by a certified midwife	373
Total amount of medical claims	£755/6/0

SUPPLY OF MILK.

The total quantity of milk supplied at cost price during the year to expectant and nursing mothers and young children (otherwise than under the National Milk Scheme) was 15995 gallons (dried pounds).

OPHTHALMIA NEONATORUM.

10 cases of Ophthalmia Neonatorum were notified during the year with the following results:—

Vision unimpaired	8
Patient died	1
Patient removed from County	1
	—
	10
	—

REPORT OF OBSTETRIC SERVICE.

1. Clinics.

Total examinations at all clinics	4441
(a) Ante-natal Clinics:—	
New Cases	1527
(b) Post-natal and Gynæcological	384

The number of re-examinations had to be reduced owing to the difficulty of seeing so many, especially at the Wrexham Clinic. At the latter, four-hour clinics were not unusual and it was found that a patient might have to wait up to three hours before being examined. The increasing difficulty in travelling also affected re-attendances.

(c) Evacuees.

Those in the Wrexham area were examined at a special weekly clinic, which was started on April 10th. Whereas in other areas they were seen with the County cases at the appropriate clinics.

369 examinations were carried out at this special Wrexham clinic. In those cases where conditions were undesirable for confinement in their temporary homes they were mostly admitted to Gerwyn Hall Maternity Home. There were, however, many confinements in private houses and especially in the various nursing homes.

The following number of women not normally resident in the County were admitted to the local hospitals:—

Llangollen Cottage Hospital	6 out of a total of	28
Ruthin Hospital	10	69
Chirk Hospital	25 (approx.)	91*
Denbigh Infirmary	40 (approx.)	153
Croesnewydd Hospital, Wrexham	54 (approx.)	152
Colwyn Bay Maternity Home	63	169
Ruabon Maternity Hospital	—	209
Gerwyn Hall Maternity Home	344	351
	<hr/> 542	<hr/> 1222

* 61 Denbighshire.

2. Ruabon Hospital.

209 admissions.

146 births. 30 were ante-natal and 9 post-natal for treatment.

3. Gerwyn Hall Maternity Home.

363 admissions, 12 being re-admissions.

336 confinements.

All except 4 who were taken in direct from Birkenhead were examined by me ante-natally.

The following list shows the places of origin and the areas from which admitted locally:—

Areas from which admitted locally.		Originally resident at	
Wrexham	14	Birkenhead	179
Cross Lanes	1	Liverpool	84
Bersham Hall	172	Wallasey	8
Rhos	2	Bootle	2
Gyfeilia	1	Wirral	1
Rhostyllen	2	Frodsham	1
Johnstown	2	New Brighton	1
Penycae	1	London	22
Brynibo	2	Birmingham	3
Coedpoeth	7	Northants	1
Pentrebychan	1	Essex	4
Cefn	2	Oxfordshire	2
Rhosymedre	1	Ireland	1
Trevor	1	Middlesex	7
Acrefair	5	Lewisham	1
Ruabon	4	Bristol	1
Gresford	12	Lewes	1
Rossett	5	Southampton	1
Llandegla	2	Holyhead	1

Areas from which admitted locally.		Originally resident at	
Gwersyllt	6	Manchester	5
Llay	1	Buxton	1
New Broughton	1	Harrogate	1
Llangollen	8	Swansea	1
Holt	2	Melton Mowbray	1
Chirk	2	Litherland	1
Brynteg	1	Kent	2
Bradley	2	Warminster	1
Garth	3	Walthamstowe	1
Summerhill	1	Deal	1
Pentredwr	1	Herts.	1
Newbridge	1	Brighton	1
Moss	1	Surrey	1
Llanrhaiadr	1	Scotland	2
Ruthin	9	Isle of Man	1
Abergele	17	Germany	1
Eglwysbach	1		
Capel Garmon	1		
Llanrwst	8		
Bodfari	2		
Denbigh	16		
Kimmel Bay	3		
Old Colwyn	4		
Colwyn Bay	4		
Llanfair T.H.			
Llanfair D.C.			
Brvneglwys	1		
Llangedwyn	1		
Glanconway	1		
Tynant	1		
Whitchurch	1		
Overton	3		

4. Maternal Mortality.

There were no maternal deaths at either Ruabon Hospital or Gerwyn Hall.

5. Consultations.

I was called in, in consultation on 259 occasions, consisting of:—

Ante-natal cases	103
18 being toxæmic	
4 acute pyelitis	
4 ante-partum hæmorrhage.	
In labour	51
25 were operated on	
11 being Caesarean Sections	
8 being Lower Segment.	

Post-natal	15
Miscarriages	5
Gynaecological	56
18 being operated on.	
Puerperal Pyrexia	29

R. OWEN JONES.

Particulars of Cases attended by Domiciliary Midwives, 1941.

	By Salaried Midwives.	By Independent Midwives.
No. of cases attended	1205	218
No. of times medical aid sent:		
(a) during pregnancy	63	9
(b) during labour	236	55
(c) during puerperum	33	2
(d) for infants	30	6
No. of still-births notified	29	7
No. of forceps deliveries	95	67
No. of deaths of Infants, 1 month ...	23	12
No. of Maternal Deaths	6	—
No. of Maternity cases	239	64

TABLE X.
Maternity and Child Welfare.

The following table furnishes information for 1941 with regard to the Maternity and Child Welfare Centres established in the County:—

Address	Whether Sessions are held weekly or fortnightly	Day and Time of Meeting	Average attendance per session (Children).	Number of Children who attended for the first time.	Present arrange- ments for Medi- cal Super- vision
Southsea, Church Institute	Fortnightly	Monday a.m.	46	66	Assistant Med. Officer
Coedpoeth, Penygelli Schools	"	Monday p.m.	45	105	
Llay, Presbyterian Chapel	"	Monday p.m.	66	102	"
Cefn, County Clinic	Weekly	Monday p.m.	70	157	"
Brymbo, Council School	Fortnightly	Tuesday a.m.	20	40	"
Broughton, Church House	"	Tuesday p.m.	26	76	"
Llanrwst, Watling Street	"	Wednesday p.m.	20	71	"
Glan C'way, Church Institute	"	Monday p.m.	21	45	"
Rhosrobin, County Clinic	"	Wednesday a.m.	50	104	"
Rhos, Leeswood House	Weekly	Wednesday p.m.	48	200	"
Llangollen, Welfare House	Fortnightly	Wednesday p.m.	42	69	"
Denbigh, County Clinic	"	Wednesday p.m.	67	103	"
Abergele, Church House	"	Thursday p.m.	64	122	"
Rhostyllen, Council School	"	Wednesday a.m.	27	85	"
Ruthin, Baptist Chapel	"	Tuesday p.m.	53	204	"
Chirk, The Mount	"	Thursday p.m.	42	83	"
Glynceiriog, Ceiriog Institute	"	Tuesday p.m.	23	41	"
Total				1673	

TABLE XI (a). Cancer.

The following table gives the deaths and death rates from all causes of Cancer according to Sanitary Districts:—

Districts	Deaths			Rate per 1000
	Males	Females	Total	Population
Urban Districts				
Abergele	6	10	16	1.8
Colwyn Bay	23	36	59	2.0
Denbigh	5	4	9	.9
Llangollen	1	...	1	.2
Llanrwst	3	3	6	2.1
Ruthin Borough	3	7	10	2.7
Wrexham Borough	29	32	61	2.0
Rural Districts				
Aled	6	10	16	2.1
Ceiriog	2	9	11	1.4
Hiraethog... ..	10	6	16	2.6
Ruthin	8	11	19	1.7
Wrexham	51	51	102	1.6
Whole County	147	179	326	1.7

TABLE XI (b).

Cancer Deaths—Age and Sex Distribution.

Age Group	Urban			Rural			Grand Total
	M.	F.	Total	M.	F.	Total	
Under 1 year...	...	...	...	...	...	...	...
1—5 ...	1	...	1	...	...	...	1
5—15 ..	...	...	...	...	...	...	...
15—45 ...	6	8	14	3	8	11	25
45—65 ...	20	31	51	26	43	69	120
65 & Upwards	43	53	96	48	36	84	180
Totals ...	70	92	162	77	87	164	326

CHRISTIE HOSPITAL AND HOLT RADIUM INSTITUTE,
MANCHESTER.

New Patients from Denbighshire (1/1/41 to 31/12/41)

Total number of Cancer cases	77
Total number of Non-Malignant cases	25
	<hr/> 102
Number referred by Voluntary Hospitals	91
Number referred by Public Assistance Hospitals	—
Number referred by General Practitioners	5
Number of Consultants	6
	<hr/> 102

Cancer Cases.	Total.		Number treated by Radiation, X-Ray, Surgery, or Combined Techniques.		Number not treated— unsuitable or too advanced.
Lip and Mouth...	11	...	8	...	3
Breast	9	...	5	...	4
Skin	23	...	19	...	4
Cervix	14	...	14	...	—
Other sites	20	...	10	...	10
	<hr/> 77	...	<hr/> 56	...	<hr/> 21
Non-Malignant Cases	25	...	5	...	20
	<hr/> 102	...	<hr/> 61	...	<hr/> 41

WREXHAM AND DENBIGHSHIRE WAR MEMORIAL
HOSPITAL.

Patients from Denbighshire treated during 1941.

No. of new patients referred from Wrexham Clinic in 1941	82
Total No. of attendances at Wrexham Clinic (old and new patients) in 1941	420
No. of 1941 referred cases treated in Wrexham	—
No. of 1941 referred cases treated in Radium Annexe, Prestbury:—	
In-Patients	6
Out-Patients	—

No. of 1941 referred cases treated in Christie Hospital,
Manchester:—

In-Patients	17
Out-Patients	18

No. of referred cases treated in Radium Annexe and
Christie Hospital:—

In-Patients	4
Out-Patients	—

No. of 1941 cases not treated 37

Table showing comparison in previous years:—

	1936.	1937.	1938.	1939.	1940.	1941.
New Patients:—						
Treated	10		25		26	45
Not treated	11		17		32	37
	—		—		—	—
	21	21	42	66	58	82
Examinations (old patients)	133	148	178	263	255	338
Total examinations (old and new patients)	154	169	220	329	313	420

CHESTER ROYAL INFIRMARY.

Deep Therapy:—

In-Patients	6
Out-Patients	9

Radium:—

Total number of attendances at the Institution...	33
Number of patients	17
Number of cases referred to Christie Hospital, Manchester	6

LIVERPOOL RADIUM INSTITUTE AND HOSPITAL FOR CANCER.

In-Patients from Denbighshire	14
X-Ray Patients	5
Out-Patients	5

TABLE XII.
Public Health (Tuberculosis) Regulations, 1924.

District	No. of cases of Tuberculosis on Register at the commencement of the year		No. of cases notified for the first time under Regulations, 1912, during year		No. of cases removed from the Register during the year		No. of cases remaining on the Register at the end of the year	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Abergele.	17	3	6	3	6	..	17	6
Females	24	4	3	2	4	..	23	6
Aled.	40	26	3	1	..	1	43	26
Females	51	19	5	1	1	..	55	20
Ceiriog.	28	15	4	..	2	..	30	15
Females	26	5	..	2	..	..	26	7
Colwyn Bay.	73	29	16	7	9	2	80	34
Females	64	36	13	7	9	1	68	42
Denbigh.	15	8	3	1	1	1	17	8
Females	21	11	10	1	3	..	28	12
Hiracthog	21	13	1	2	2	2	20	13
Females	24	10	4	..	3	1	25	9

Public Health (Tuberculosis) Regulations, 1924.—(Continued).

District	No. of cases of Tuberculosis on Register at the commencement of the year		No. of cases notified for the first time, under Regulations, 1912, during year		No. of cases removed from the Register during the year		No. of cases remaining on the Register at the end of the year	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Llangollen Urban.	4	2	2	1	...	1	6	2
Males	15	...	2	...	2	...	15	...
Females	8	6	1	...	...	...	9	6
Llanrwst Urban.	3	9	3	...	...	2	4	7
Males	5	4	...	1	1	...	4	5
Ruthin Borough.	8	1	6	...	4	...	10	1
Males	21	9	4	...	...	...	21	9
Females	31	14	7	2	3	...	35	16
Wrexham Borough.	85	49	22	9	14	1	93	57
Males	71	127	11	3	9	...	73	30
Females	239	118	43	11	64	8	218	121
Wrexham Rural.	195	76	41	10	47	11	189	75
Totals...	1089	494	210	64	190	31	1109	527

The source or sources from which information as to the above mentioned cases were obtained are given below :—

Source of information	No. of Cases	
	Pulmonary	Non-Pulmonary
Death Returns :		
From Local Registrars .....	...	...
Transferable deaths from Registrar General .....	...	...
Posthumous notifications.....	6	1
"Transfers" from other areas (other than Transferable deaths) .....	...	...
Other sources, if any (specify) .....	...	...

NOTIFICATION REGISTER.

Part III.

No. of cases of Tuberculosis remaining on December 31st, 1941, on the Register of Notifications kept by the District Medical Officers of Health in the County	Pulmonary			Non-Pulmonary			Total cases
	Males	Females	Total	Males	Females	Total	
	558	551	1109	302	225	527	
No. of cases removed from the Registers during the year	103	87		16	15	31	221

MENTAL DEFICIENCY ACTS.

	M.	F.	Total.
No. of Patients under Guardianship	6	7	13
No. of Patients at Coed-du Institution	—	72	72
No. of Patients in Institutions (other than Coed-du)	43	22	65
No. of Patients on from Institutions	1	5	6
No. of Patients Certified during 1941 :—			
Under 16 years	3	3	6
Over 16 years	1	3	4

TABLE XIV. VENEREAL DISEASES.

The following statistics, taken from the Returns supplied by the Treatment Centres, show the work undertaken during the year ended 31/12/41.

Clinic	Persons attending for the first time at Out-patient Clinic suffering from								Total attendances at Out-patient Clinic		No. of In-Patient days		No. of Persons treated with Salvarsan Substitutes	
	Syphilis		Soft Chancre		Gonorrhoea		Non-Venereal Condition		M.	F.	M.	F.	M.	F.
	M.	F.	M.	F.	M.	F.	M.	F.						
Wrexham	16	18	—	—	73	45	23	16	1001	1017	119	432	35	73
Chester	3	2	—	—	7	4	—	—	72	37	—	—	23	5
Bangor	—	1	—	1	1	2	—	—	—	—	6	—	4	5
Totals	19	21	—	1	81	51	23	16	1073	1054	125	432	62	83

REPORT OF J. H. WYNNE, COUNTY VETERINARY OFFICER, FOR THE YEAR 1941.

DISEASES OF ANIMALS ACTS AND ORDERS.

The Quarterly Reports of the Divisional Veterinary Inspector, Animal Health Division of the Ministry of Agriculture and Fisheries, show the total number of cases of Scheduled (Notifiable) Diseases of Animals to be:—

Sheep Scab	30	Confirmed Cases
Swine Fever	6	" "
Tuberculosis	93	" "

No Anthrax and no Foot and Mouth Disease.

MILK AND DAIRIES ACTS AND ORDERS.

During the year 32 "Tuberculin Tested" Licences and 404 Accredited Licences were issued under the Milk (Special Designations) Orders.

Tuberculosis (Attested Herds) Scheme of the Ministry of Agriculture.

There were 277 Attested Herds and 1 Supervised Herd in Denbighshire at the end of 1941.

Clinical Inspection of Dairy Cattle.

- (a) **Tuberculin Tested Herds.**—Clinically examined every 6 months, in addition to the Tuberculin Test. 2032 examinations were carried out, and not a single case had to be dealt with under the Tuberculosis Order.
- (b) **Accredited Herds.**—Clinically examined every 3 months. 38,877 examinations were conducted, resulting in the detection and slaughter of 46 cows under the Tuberculosis Order.
- (c) **Non-designated Herds.**—Clinically examined every 6 months (Denbighshire is the only North Wales County where these Herds are periodically examined). 18,899 examinations resulted in the detection of 15 cows affected with Tuberculosis, and these were slaughtered under the Order.

Tuberculin Testing of Licensed Tuberculin Tested Herds.

No. of Cattle tested	1666
No. of Reactors	14

This is in addition to the Tuberculin Testing of the 277 Attested Herds and 1 Supervised Herd that are also free from Tuberculosis.

Tracing Sources of Tuberculous Milk.

No. of investigations outstanding from 1940 ...	3
No. of Reports from Medical Officers of Health	10
No. of Herds involved	10
No. of Tuberculosis of the Udder found	8
No. of investigations not completed at the end of the year	3

Mastitis and other Diseases of the Udder were very prevalent during 1941, and, although pressure is laid upon the owners of the affected cows to isolate the diseased ones, and to use all precautions to prevent contamination of the milk supply, the position is not satisfactory.

Pasteurisation of Milk should be one of the urgent matters to be considered at the termination of war.

J. H. WYNNE,

County Veterinary Officer.

August 28th, 1942.

TABLE XV.

CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE ADMINISTRATIVE COUNTY OF DENBIGH, 1941.

CAUSES OF DEATH.	Sex	Aggregate of Urban Districts							Aggregate of Rural Districts						
		Ages							Ages						
		All	0—	1—	5—	15—	45—	65—	All	0—	1—	5—	15—	45—	65—
ALL CAUSES	M F	577 580	40 33	15 14	8 7	60 57	145 124	309 345	621 597	58 49	19 18	14 9	77 61	141 142	312 320
1 Typhoid & Paratyphoid Fevers ...	M F	...	...	...	...	...	...	...	...	...	...	...	...	1	...
2 Cerebro-Spinal Fevers...	M F	1 2	1	...	1	...	1	...	2 3	...	1	1	...	1	1
3 Scarlet Fever ...	M F	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 Whooping Cough ...	M F	2 4	2 1	3	...	...	...	...	2 5	2	1	1	...	...	...
5 Diphtheria... ..	M F	5	1	...	4	...	...	...	3	3	...	...	...	...	...
6 Tuberculosis of Respiratory System ...	M F	27	...	...	...	17	10	...	24	...	...	3	...	...	...
7 Other forms of Tuberculosis ...	M F	21	...	1	1	12	7	1	20	1	4	...	15	3	...
8 Syphilitic Diseases ...	M F	3	1	...	...	1	1	...	3	...	2	...	...	...	1
9 Influenza ...	M F	6	1	...	...	...	...	...	1	...	...	...	...	1	...
10 Measles ...	M F	11	1	1	...	1	2	...	9	...	...	1	3	2	3
11 Ac. Polio-myel. & Polio-enceph. ...	M F	3	1	...	...	...	...	...	6	...	1	...	...	...	6
12 Ac. Inf. Enceph. ...	M F	3	...	...	...	...	...	...	1	...	...	...	...	...	...
13 Cancer of buc. cav. & oesoph. (m), uterus (f)	M F	7	...	...	...	...	...	...	4	...	...	...	...	1	3
14 Cancer of stomach & duodenum ...	M F	20	...	...	...	...	...	...	25	...	...	...	2	1	1
15 Cancer of breast...	M F	21	...	...	...	...	...	...	17	...	...	...	1	10	14
16 Cancer of all other sites	M F	16	...	...	...	...	...	...	14	...	...	...	...	7	9
17 Diabetes ...	M F	46	...	...	...	...	...	...	48	...	...	...	...	...	...
18 Intra-cranial vascular lesions ...	M F	73	...	...	...	...	...	...	52	...	...	...	...	...	...
19 Heart Disease ...	M F	65	...	...	...	...	...	...	82	...	...	...	...	...	...
20 Other dis. of circ. system ...	M F	149	...	...	...	...	...	...	91	...	...	...	...	...	...
21 Bronchitis ...	M F	142	...	...	...	...	...	...	133	...	...	...	...	...	...
22 Pneumonia ...	M F	20	...	...	...	...	...	...	150	...	...	...	...	...	...
23 Other resp. diseases ...	M F	24	...	...	...	...	...	...	8	...	...	...	...	...	...
24 Ulcer of stomach or duodenum ...	M F	35	...	...	...	...	...	...	14	...	...	...	...	...	...
25 Diarrhoea, under 2 years	M F	33	...	...	...	...	...	...	42	...	...	...	...	...	...
26 Appendicitis ...	M F	35	...	...	...	...	...	...	39	...	...	...	...	...	...
27 Other digestive diseases	M F	31	...	...	...	...	...	...	13	...	...	...	...	...	...
28 Nephritis ...	M F	10	...	...	...	...	...	...	11	...	...	...	...	...	...
29 Puer. & Post-abort. sepsis ...	M F	5	...	...	...	...	...	...	4	...	...	...	...	...	...
30 Other maternal causes...	M F	2	...	...	...	...	...	...	7	...	...	...	...	...	...
31 Premature Birth...	M F	4	...	...	...	...	...	...	3	...	...	...	...	...	...
32 Con. mal. birth inj. infant dis. ...	M F	6	...	...	...	...	...	...	6	...	...	...	...	...	...
33 Suicide ...	M F	15	...	...	...	...	...	...	13	...	...	...	...	...	...
34 Road Traffic acc. ...	M F	14	...	...	...	...	...	...	19	...	...	...	...	...	...
35 Other violent causes ...	M F	8	...	...	...	...	...	...	14	...	...	...	...	...	...
36 All other causes ...	M F	3	...	...	...	...	...	...	4	...	...	...	...	...	...







